

# DataNet/INTEROP: Advances, Collaborative Interactions, and Germinating for Long Term

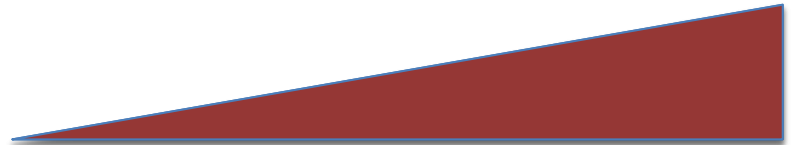
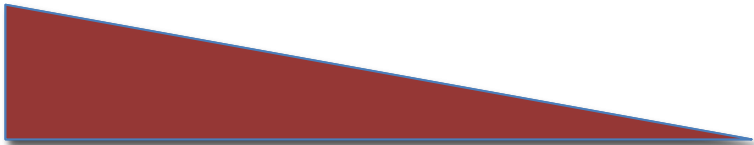
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DataNet/INTEROP Workshop organizer



# DataNet / INTEROP

- NSF DataNet - Sustainable Digital Data Preservation and Access Network Partners - exemplar national and global data research infrastructure organizations (dubbed DataNet Partners) that provide unique opportunities to communities of researchers to advance science and/or engineering research and learning
- NSF Interop - crosscutting program supports community efforts to provide for broad interoperability through the development of mechanisms such as robust data and metadata conventions, ontologies, and taxonomies. Responsible for consensus-building activities and for providing the expertise necessary to turn the consensus into technical standards.
- NSF OCI Task Force on Data and Visualization report, final draft, March 7, 2011

# Purpose

- Hear from the DataNet and INTEROP projects
- Collective expertise in researchers engaged in DataNet and INTEROP is tremendous.
- Information exchange between DataNets and INTEROPs

*→ Stretch goal of workshop is to plant first seeds for long lived, collective effort that advances scientific sharing and preservation worldwide*

# Roadmap

- Information exchange
- Interaction between projects: war stories, how to contribute, identifying targets for incorporating results (from INTEROP -> DataNet)
- Creating something greater than sum of parts that aligns with EU partners and beyond

Posters, lightning talks.  
This morning.

**Birds Of Feather:**  
informal conversations  
on topic of common  
interest.

**Educational:** hearing  
from IETF key  
founders; EU EUDAT  
and DAITF efforts

# EarthCube Community Charrette Nov '11:

## 14 Key Capability Categories emerged

Dataset and workflow discovery	Data access services	Tools to Probe, Validate, Verify, and Visualize Data	Data security and trust
Workflow execution management	Data management within workflows	Metadata for workflow and data sets	
Numerical methods and software engineering	Modeling standards and frameworks	Modeling capabilities within Cloud, Grid, HPC, and Science Portals	
Policy enforcement processes	Best practices & Governance Models for definitions & standards	Broad Participation: NGO, industry, domain partners, international	Continuity, Sustainability, & Evolution

# Rules of Engagement

- Topics identified as we go; emerge by participant preference.  
Suggestions for today's BOF
  - Storage solutions and funding models for long term storage
  - DataCite, its use
  - IETF as model to continue momentum after workshop
  - Issues in using cloud storage for long term availability
  - Dataset discovery and data access services
  - Broadening participation
- Inclusion principle: on stretch goal there are no predestined players. We're trying to build something part grass roots, part top down. It'll take a lot of work by volunteers committed to vision of alliance for advancing scientific preservation. We're looking for committed people to join us.